

honeycomb core extending along said longitudinal axis and a contoured arc is defined extending across said transverse axis enabling said complex shaped articles to be responsive to aerodynamic and hydrodynamic movement.

6. (Amended) A method for producing complex shaped articles comprising:

- (a) trimming a honeycomb core material to a desired size and shape, said honeycomb core material having a top surface, a bottom surface, a front end, a rear end, [and] opposed sides, a longitudinal axis between said front end and said rear end and a transverse axis between said opposed sides;
- (b) seating the bottom surface of said sized and shaped honeycomb core material on a fixture, said fixture having a top wall, a bottom wall, opposed end walls and opposed side walls, said top wall having a contoured configuration defined therein;
- (c) applying pressure at ambient temperature to the top surface of said seated honeycomb core material until said honeycomb core material adapts to the contour configuration in the top wall of said fixture;
- (d) cutting said seated honeycomb core material to a desired thickness from said front end to said rear end on a horizontal plane substantially parallel to [the] said longitudinal axis [of said honeycomb core material]; and,
- (e) conformally bending said honeycomb core material by applying pressure at ambient temperature to the opposed sides of said cut honeycomb core material until a desired arcuate configuration is attained along [the] said longitudinal axis [from the front end to the rear end of said cut honeycomb core material] and across [the] said transverse axis [between the opposed sides of said honeycomb core material] enabling said complex articles to be responsive to aerodynamic and hydrodynamic movement.